EIZO®

Color Management Monitors

ColorEdge®

True to Creativity

ColorEdge®

Monitors for all creators from entry level to professional

CG Series

Professional Level

For professionals in photography, retouching, prepress, and post production who want the best in color accuracy.

- Built-in calibration sensor
- ColorNavigator 6 calibration software and monitor hood included
- Wide color gamut
- ColorNavigator NX calibration software supported

CG318-4K 31.1"

CG248-4K 23.8"

CG277 27"

CG247 24.1"

CX271 27"

CX241 24.1"

CX Series

Standard Level

For professionals and prosumers in design, photography, and other creative fields.

- Built-in correction sensor
- ColorNavigator 6 calibration software included; monitor hood optional
- Wide color gamut
- ColorNavigator NX calibration software supported

CS240 24.1"

CS230 23"

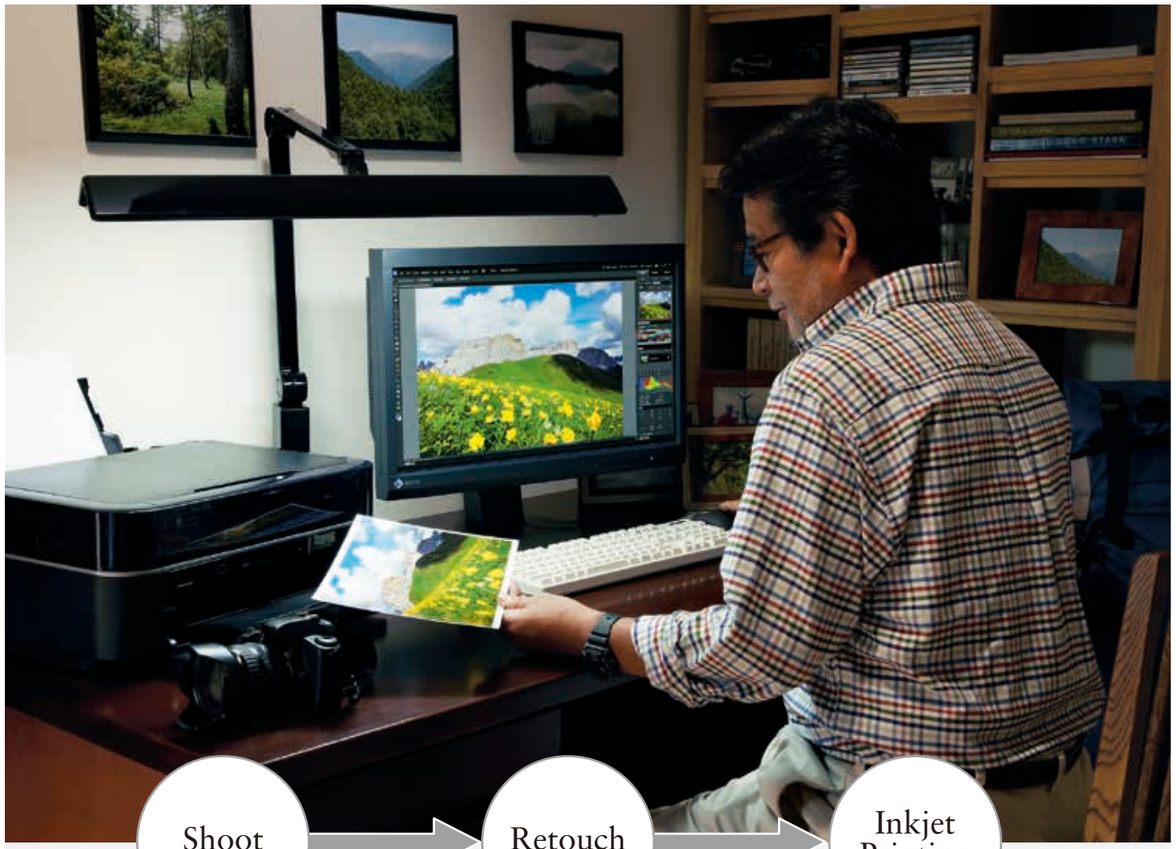
CS Series

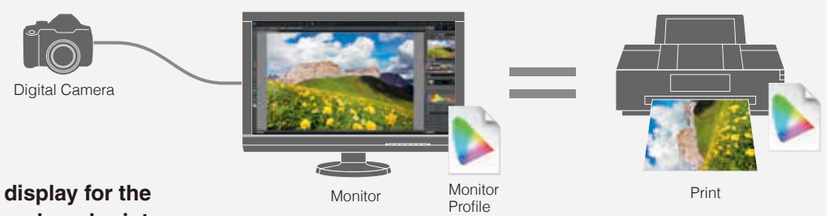
Entry Level

For hobbyists and prosumers that want to create, edit, and enjoy photography, digital art, and more.

- Built-in correction sensor and sRGB color gamut (CS230)
- Wide color gamut (CS240)
- ColorNavigator 6 calibration software included; monitor hood optional

Amateur Digital Photography





Accurate color display for the images you retouch and print.

These color-accurate monitors will make you feel like a pro as you get one screen-to-print match after another. The built-in correction sensor available with the CS230 and CX models automatically maintains your color settings. What's more, the CX models and CS240 reproduce the Adobe RGB color space.

Primary Recommendations

CX271

CX241

Secondary Recommendations

CS240

CS230

Professional Photography

Smooth tonal display and accurate color reproduction enhance the quality of your work.

With a properly-calibrated ColorEdge monitor at the studio to check your photos with, you can rest assured that what you see on screen is how colors will be displayed in the next step of the digital workflow.

Primary Recommendations

CG318-4K

CG248-4K

CG277

CG247

Secondary Recommendations

CX271

CX241

Image Retouch

Retouch

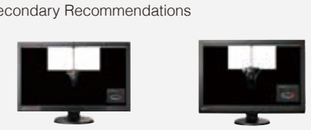
Picture-perfect profiling.

Accurate profiling through hardware calibration is what makes a ColorEdge a ColorEdge. And it couldn't be any easier with built-in calibration sensors on our CG series and built-in correction sensors on our CX series. The sensors are automated so you don't even have to be present when they adjust the screen.

Primary Recommendations

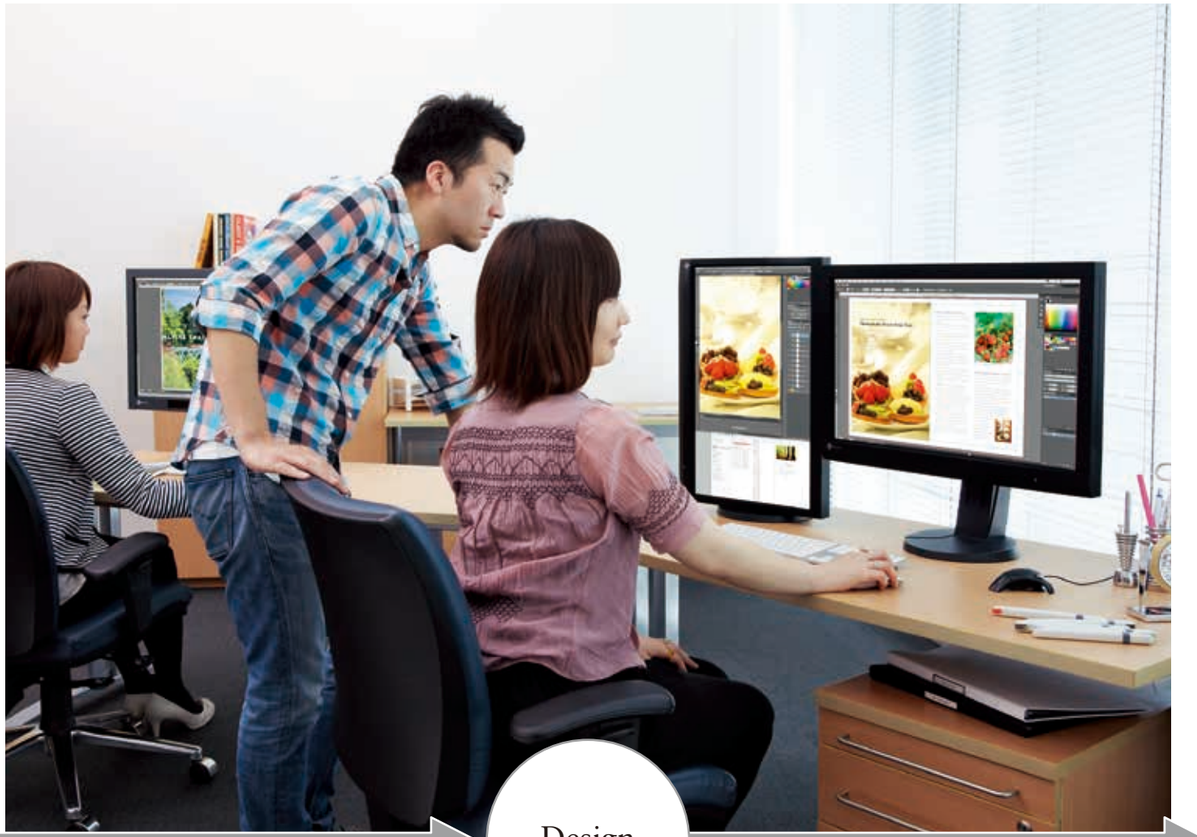
CG318-4K | CG248-4K | CG277 | CG247

Secondary Recommendations

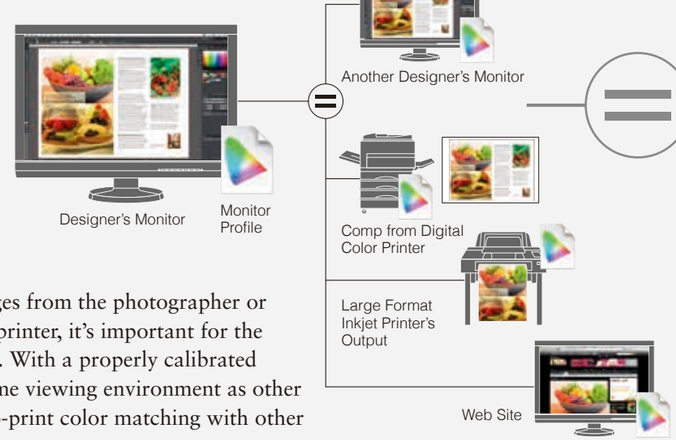


CX271 | CX241

Design



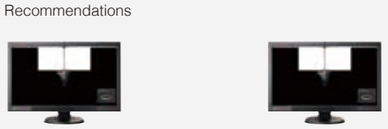
Design



A color management environment ensures smooth color communication.

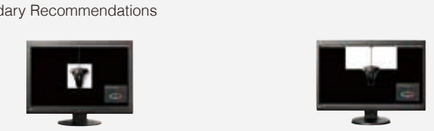
As the individual that receives digital images from the photographer or retoucher and then passes them on to the printer, it's important for the designer to have a color-managed monitor. With a properly calibrated ColorEdge, a designer will work in the same viewing environment as other designers in the studio and enjoy screen-to-print color matching with other devices.

Primary Recommendations



CX271 | CX241

Secondary Recommendations



CS240 | CS230

Print

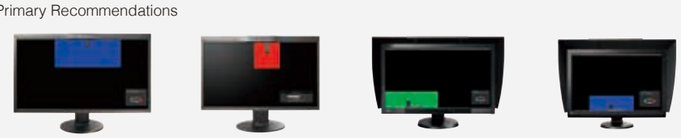
Plate Making, Printing

What you see really is what you get.

The color on your screen is a perfect match with your proof sheets and your final prints. Or you can soft proof before printing. The accurate profiling and wide color gamut of ColorEdge monitors enables them to reproduce North American Prepress, Europe Prepress, and other settings.

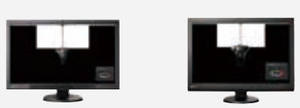
The CG277 and CG247 are Class A FograCert Softproof Monitors.

Primary Recommendations



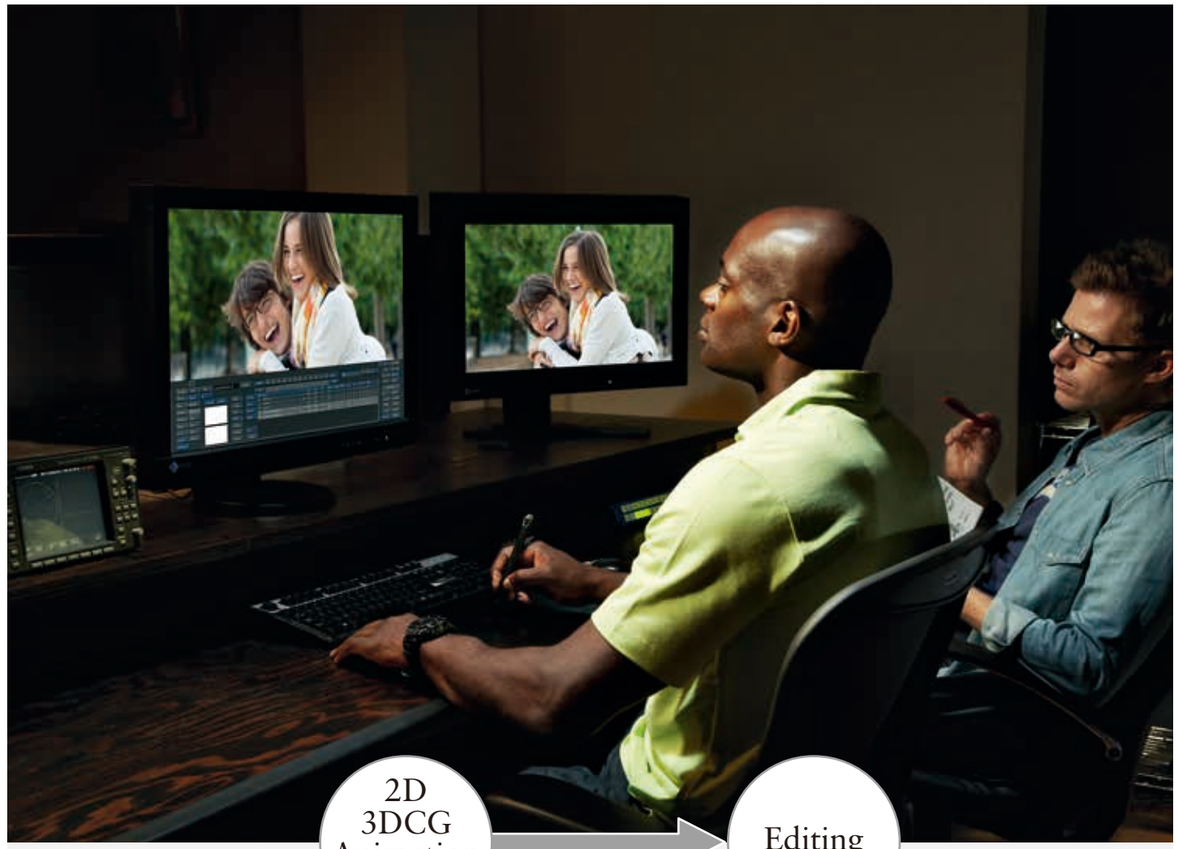
CG318-4K　CG248-4K　CG277　CG247

Secondary Recommendations



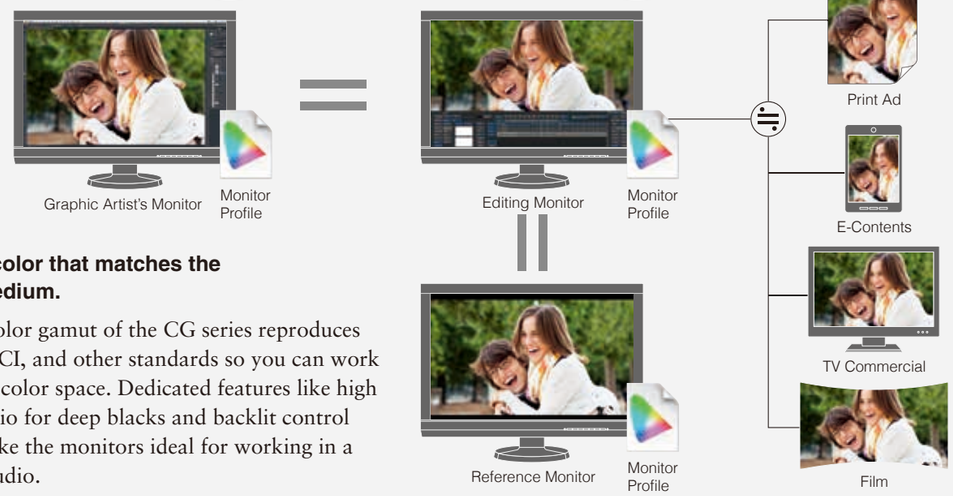
CX271　CX241

Post Production



2D
3DCG
Animation
VFX

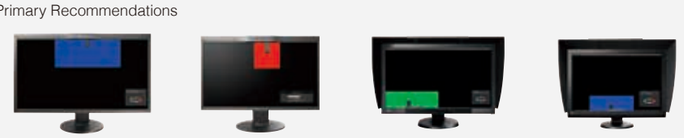
Editing



Accurate color that matches the display medium.

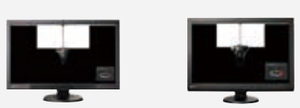
The wide color gamut of the CG series reproduces Rec.709, DCI, and other standards so you can work in the ideal color space. Dedicated features like high contrast ratio for deep blacks and backlit control buttons make the monitors ideal for working in a dimly-lit studio.

Primary Recommendations



CG318-4K　CG248-4K　CG277　CG247

Secondary Recommendations

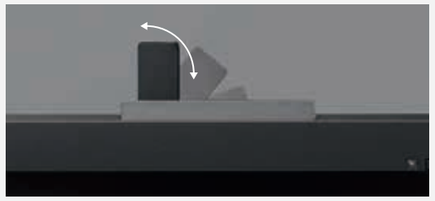


CX271　CX241

Built-In Sensors to Automate Your Workflow

Built-In Calibration Sensor

Automate your calibration with the sensor that is housed within the monitor's front bezel and swings up onto the screen only when calibrating. This sensor eliminates the need for a third-party calibration device and even operates in portrait mode. *Available with the CG series only.*



SelfCalibration sensor built into the CG series

Scheduled Self Calibration

Using either the OSD menu or the bundled ColorNavigator software, you can schedule a CG series monitor to self-calibrate at specific times. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self-calibrate.

Correlation with External Sensors

CG series monitors can be correlated to the measurement results of an external calibration sensor. After correlating, the built-in sensor will automatically recalibrate to the settings. This is convenient if the monitor is used in a work environment with other monitors and one measurement device must be used as a standard for all calibration.

Correlation to ColorMunki results

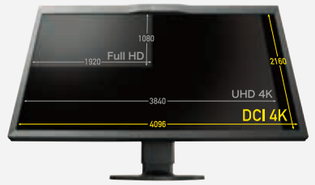
Built-In Correction Sensor

With the CX and CS series, a third-party sensor is required for calibrating the monitor, but the built-in correction sensor* maintains the calibration settings. The correction sensor is housed within the monitor's upper bezel and appears only after a specific amount of time determined by the user has elapsed. Even if the monitor is switched off or not connected to a computer, it will stick to its preset schedule and self correct.
**Built-in correction sensor not available with the CS240.*

Dependable Image Clarity and Color Precision

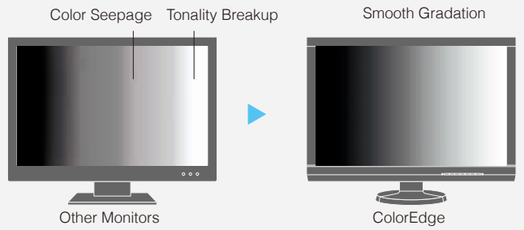
4K Resolution

The ColorEdge 4K series offers both DCI 4K standard (4096 × 2160) and 4K UHD (3840 × 2160) models. Whether you are creating, editing, or checking your work, the pixel density of these monitors gives you the high performance needed for expressing your creativity in extreme detail.
Graphics card compatibility:
www.eizoglobal.com/i/4k_compatibility



Individually Adjusted at the Factory

The gamma level for each ColorEdge monitor is adjusted at the factory. This is accomplished by measuring the R, G, and B gamma values from 0 – 255, then using the monitor's 16-bit look-up table (LUT) to select the 256 most appropriate tones to achieve the desired value.

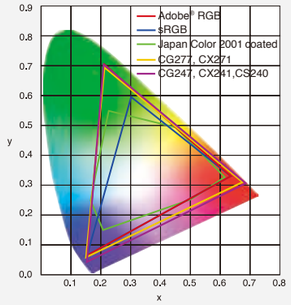


Wide Viewing Angles with IPS Panels

The 178° viewing angles afforded by the IPS panel technology allows two or more people to view the screen at once with little change in color or contrast.

Wide Color Gamut

A wide color gamut reproduces almost the entire Adobe RGB color space* so images shot in RAW can be converted to Adobe RGB or images shot in Adobe RGB will be displayed correctly. The colors seen in photos of vibrant blue skies and lush green forests will be reproduced faithfully in a way that cannot be on monitors with an sRGB color space. The wide color gamut also ensures that the monitors reproduce almost the entire ISO-coated and US web-coated CMYK color spaces used in printing.
**Not applicable to the CS230.*



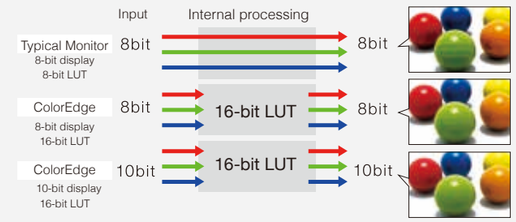
sRGB Color Space (image)

Adobe RGB Color Space (image)

10-Bit Simultaneous Display

Using the DisplayPort or HDMI inputs, the monitors offer 10-bit simultaneous color display* from a 16-bit look-up table which means they can show more than one billion colors simultaneously. This is 64 times more colors than you get with 8-bit display which results in even smoother color gradations and reduced Delta-E between two adjacent colors.
**A graphics board and software which support 10-bit output are also necessary for 10-bit display. Equipment that supports Deep Color is necessary with the HDMI input.*

8-Bit and 10-Bit Image Display

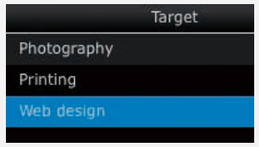


Simple and Precise Calibration with ColorNavigator 6 Software

ColorNavigator 6 software makes calibration both simple and quick. Just input target values for brightness, white point, and gamma to create an ICC profile within minutes.

ColorNavigator 6 Basic Functions

Calibrate to Preset or User-Assigned Values



Preset values for web contents, photography, and printing are available. Just select one, click "Adjust", and ColorNavigator 6 will begin calibrating. This takes the guesswork out of assigning values for users with limited color management knowledge. Experienced users can assign the desired values for brightness, white point, and gamma and then calibrate.

Post-Calibration Color Adjustment

If you need to further fine-tune your color after calibrating, ColorNavigator 6 lets you adjust hue and saturation for all six primary and secondary colors (R,G,B,C,M,Y) as well as white point, brightness, black level and gamma.

Manual adjustment screen

Switch Your Profiles as Needed

Change the target profile even when ColorNavigator 6 is not activated. A list of profiles are always instantly accessible. Choose one and it will be applied to your monitor's settings.

Recalibration Reminder

A monitor needs to be recalibrated at regular intervals to maintain color accuracy. ColorNavigator 6 includes a recalibration reminder that will appear after a certain number of user-determined hours. You can also be reminded without starting up ColorNavigator 6 by an LED on the monitor's front panel that lights up.

Color Matching with Other Monitors

ColorNavigator 6 factors for the different characteristics between ColorEdge monitors and calibration devices to provide accurate results.

Matching between different ColorEdge monitors

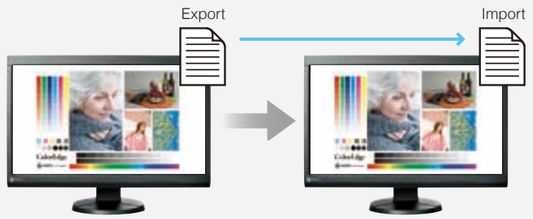
ColorNavigator 6 Advanced Functions

See How Other Devices Display Color with Media Emulation

ColorNavigator 6* emulates the color characteristics of other media devices such as tablets, smart phones, notebook PCs, and other LCD/CRT monitors. With a spectrophotometer, ColorNavigator 6 reads the emulated device's color patches as they appear in a web browser and creates an ICC profile. By using this profile with a ColorEdge monitor, content creators see how their customers view color on their respective devices.
**Media emulation is available with ColorEdge CG monitors only.*

Import / Export Adjustment Targets

Import and export your post-adjustment target profiles and share the same target values in multiple usage environments.



Calibrate Your Monitor to Another Profile

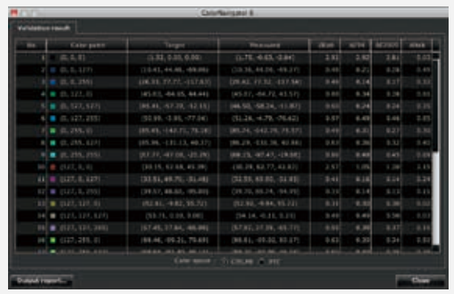
If you want to conduct color management between monitors in a workflow ColorNavigator 6 lets you load the profile of another ColorEdge monitor and use it to calibrate your own.

Calibrate to the White of Your Paper or Brightness of Your Light Box

By measuring the white of the paper to be used for printing with an external sensor, ColorNavigator 6 automatically sets the target values for brightness and white point accordingly. You can also measure your light box's* brightness and set it as the target value for calibration to ensure uniform brightness between your monitor and light box when color proofing.
**Currently supports JUST Color Communicator 1 and 2 only.*

Profile Validation

To verify calibration results or check to see how much the monitor's colors have varied since it was last calibrated, ColorNavigator 6 measures the monitor's color patches to determine the difference between the Delta-E value of the monitor's profile and the actual displayed values of the monitor. *CG series validates RGB and CMYK values. CX and CS series validate RGB values only.*



Quality Control with ColorNavigator Network and NX

ColorNavigator Network and ColorNavigator NX software enable unified quality control of all monitors in a studio or across a network in multiple locations.

ColorNavigator™ NX

Client-side QC software for ColorEdge monitors
Supported by CG and CX series only.

ColorNavigator™ Network

Administrator-side QC software for ColorEdge monitors

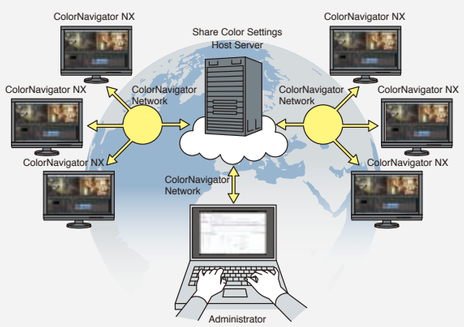
Quality Control until Now

For many studios in printing, design, and post production, maintaining a properly adjusted monitor has been a time-consuming process. Each monitor needed to be aged, calibrated, and validated manually.

Unify Color, Centralize QC Management

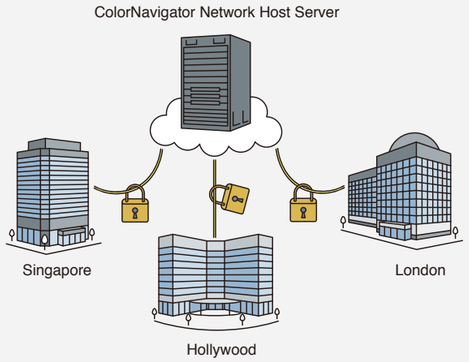
With ColorNavigator NX installed on workstations, an administrator can use ColorNavigator Network software to automate quality control (QC) tasks of ColorEdge monitors across an entire studio or between multiple locations.

These tasks include self-calibration, setting the color modes, activating key lock to prevent unintended changes to color settings (CG series), registering or adjusting asset management settings, and importing/exporting monitor settings.



Worry-Free Web Hosting

ColorNavigator Network is hosted on a secure cloud server to free you from the initial investment and running costs of providing your own server.



Significantly Reduce Your Workload

Using ColorNavigator Network with ColorNavigator NX software and ColorEdge monitors in even a modest installation of 25 monitors will save hundreds of hours in annual maintenance costs.

Annual Maintenance Time for 25 Monitors

Typical Monitor QC Solution

- Aging
- Calibration
- Validation

80 minutes/month × 12 months × 25 monitors = 400 hours/year

EIZO QC Solution*

- Correlation
- Scheduling

25 minutes/year × 25 monitors = 10 hours/year

Save 390 hours/year

**Aging, calibration, and validation of ColorEdge monitors are automated with internal calibration sensor and ColorNavigator software.*

To learn how much you can save, see our time savings calculator.
www.eizo.com/global/products/coloredge/time_savings_calculator/index.html

Remote Access Made Easy

The host server for ColorNavigator Network is accessible from any location with Internet connectivity. (Flash support required.)

ColorNavigator NX

ColorNavigator NX offers color and asset management of client ColorEdge monitors. It covers calibration, emulation, built-in sensor correlation, and color mode setting.

Save Calibration Information to the Monitor

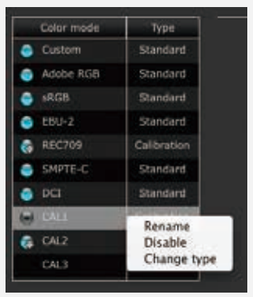
With ColorNavigator NX, calibration information is saved to the monitor instead of the workstation's operating system so you do not have to recalibrate the monitor if connecting to more than one workstation.

Set Parameters of Color Modes

To suit the needs of a specific project, you can manually change the brightness, gamma, and white point settings of the monitor's preset color modes such as Adobe RGB and DCI and calibrate to the new values.

Color Mode Name Customization

Give your color mode its own name to avoid confusion about which one to use for a specific project. You can also prevent accidental use of color modes by disabling ones you do not need for your current projects.



Import/Export Monitor Settings.

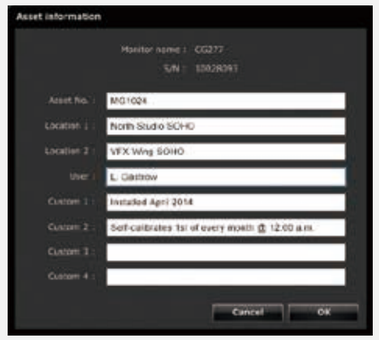
Import/export monitor settings including color modes, self-calibration scheduling, and key lock settings. This functionality allows an administrator to set up multiple monitors easily. Settings can only be shared among the same models.

Film Emulation with 3D LUT

ColorNavigator NX creates emulation data from the 3D LUT (look-up table) file of the color grading system's motion picture film. Film emulation is available with up to five of the monitor's color modes (all modes for 4K models) and is ideal for matching the legacy look of film.
Available with the CG series only.

Register Asset Management Information

Save asset management information to the monitor.



Multi-Platform Compatibility

ColorNavigator Network and NX work with Windows, Macintosh, and Linux operating systems. For installations using Linux that only require administrator-side control of their monitors, EIZO also offers a software called NetAgent that can be used in place of ColorNavigator NX for easy communication with the server.

See page 23 for ColorNavigator compatibility information.

Stable Image Display Free from Environmental Influence

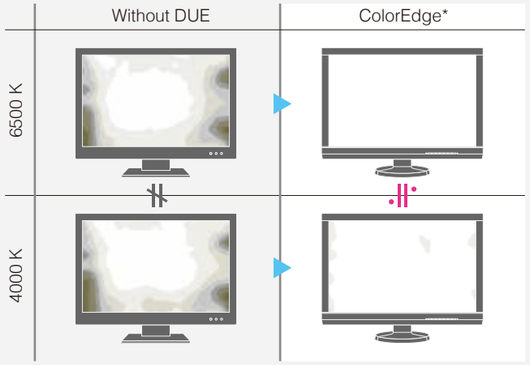
EIZO-Developed ASIC at the Core

All ColorEdge models come with an ASIC (application-specific integrated circuit) developed by EIZO to meet the needs of the graphics market. The ASIC has its own algorithms used in high-precision color processing to produce smooth color tones.

Brightness and Color Uniformity with DUE

Fluctuations in brightness and chromaticity on different parts of the screen are a common trait of LCD monitors. To counteract this, ColorEdge monitors EIZO's patented digital uniformity equalizer (DUE) technology to ensure a Delta-E difference of 3* or less across the screen when they leave the factory. And now DUE also counterbalances the influences that a fluctuating ambient temperature may have on color temperature and brightness to ensure stable image display.
**Delta-E difference applicable to CG and CX series only.*

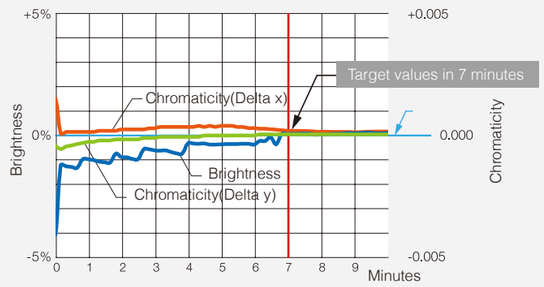
Screen Uniformity and Color Temperature Changes



Color That's Ready When You Are

From the time it is turned on it typically takes 30 minutes or longer for a monitor's brightness, chromaticity, and tone characteristics to stabilize. EIZO has shortened this warm-up time by more than 75% to a mere 3 minutes for CG 4K monitors and 7 minutes for other CG and CX series monitors. For confirming your work in a photo studio or taking your monitor with you on location, you can get to work right away.

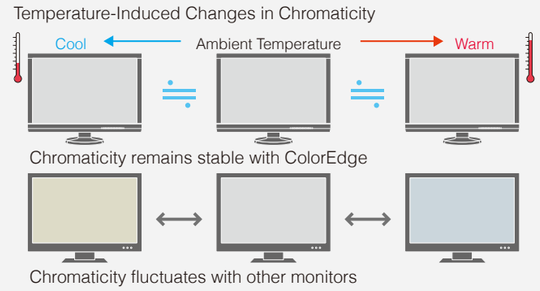
Screen Stability



Stable Brightness

An EIZO-patented sensor detects changes in the backlight that cause the monitor's brightness to decline over time and compensate for them. This not only stabilizes the brightness, but also minimizes changes in the color temperature that occur when brightness changes. Another sensor is included that detects changes in the ambient temperature and prevents fluctuations to the chromaticity and gamma.
Not applicable to the CS240.

Temperature-Induced Changes in Chromaticity



Comfort and Convenience

Multiple Inputs

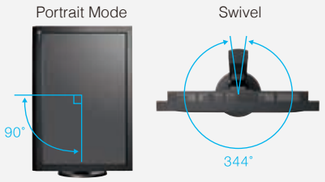
DisplayPort, HDMI, and DVI inputs are included for connecting to various types of graphics boards, The HDMI input also offers direct connection with digital cameras. Two USB upstream ports equipped with most monitors allow two computers to be connected at once so it's not necessary to reconnect the USB cable when using the ColorNavigator software and switching between the two computers.
4K models support USB upstream × 1 and USB downstream × 3.

Ample Screen Sizes for Creative Work

The CG318-4K's 31.1" and CG248-4K's 23.8" screens offer ample space for focusing on 4K content. In addition, the dense 185 ppi of the CG248-4K displays exceptional detail across the entire screen. The CG247, CX241, and CS240 display two A4 pages plus tool palettes on their 24.1-inch screens. The CG277 and CX271 give you even more room to work with their spacious 27-inch screens and 2560 × 1440 resolution.

Adjustable Stand

Adjust the screen to the most comfortable angle and reposition it to show your work to a colleague or client. The monitor comes with a versatile stand that offers height, tilt, and swivel adjustments as well as portrait mode display.
Portrait mode not available with the CG318-4K stand.



Shading Hood for Portrait and Landscape Modes

The CG series comes with a unique hood that is designed for both landscape and portrait mode so you can keep the glare off your screen no matter which mode you work in.
Shading hood for CG318-4K and CG248-4K does not support portrait mode.
Shading hoods are optional with the CX and CS series.

Color Blindness Simulation

Available on www.eizoglobal.com, UniColor Pro software lets designers see how their color schemes will appear to those with color blindness.

Advanced Performance for Video, Too

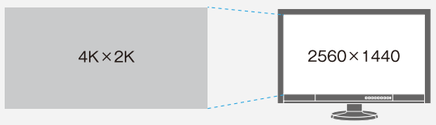
True Black Display

When viewing the screen from an angle in a dimly lit room, dark tones typically appear washed out due to the display characteristics of LCD backlights. The CG and CX series maintain a high contrast ratio even from an angle which allows the dark tones to retain their depth. Also, you can prioritize a high brightness and contrast ratio over screen brightness uniformity by pressing a button on the front of the monitor.

CG and CX Monitors Conventional Monitor

4K × 2K Downscaling

The ColorEdge CG277 accepts 4K × 2K resolutions of 4096 × 2160 and 3840 × 2160 at up to 30 frames/second via the DisplayPort input then downscales them to its native resolution of 2560 × 1440. This added functionality makes the ColorEdge CG277 a practical choice for editing when working with the increasingly popular 4K × 2K resolutions used in digital television and digital cinematography.



1080/24p Playback

Film is usually shot at 24 frames/second and looks unnatural when played back on a typical monitor that displays 60 frames/second. The CG series supports a video signal display rate of 24 frames/second so you can edit the film as it was meant to be viewed.

Range Extension

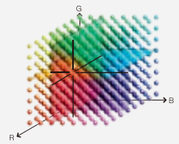
All ColorEdge models give studio professionals the advantage of using the monitor's entire 10-bit grayscale range to see more detail when doing fine editing work in very dark and very light tones. Setting the screen to show the entire 10-bit grayscale range reveals either 6% or 14% more gray tones from 0 (true black) to 1023 (true white) compared to common broadcast signal display range capabilities.

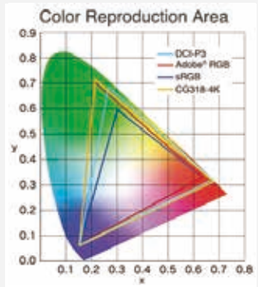
LED Buttons and On-Screen Button Guide

For dimly lit work environments like post production studios, the CG series comes with backlit control buttons and an on-screen button guide to indicate what each button is for.

3D LUT for Accurate Color Display

A 3D LUT is included with the CG series which adjusts colors individually on an RGB cubic table. With the bundled ColorNavigator software's emulation function, the 3D LUT applies a film look to the image so creators can check how it will be seen by their audience. The 3D LUT also improves the monitor's additive color mixture (combination of RGB), which is a key factor in its ability to display neutral gray tones.





Preset Color Modes

A button on CG series monitors provides quick access to several broadcast-standard color modes reset color modes: Rec. 709, EBU, SMPTE-C, and DCI. 4K models also include a preset mode for Rec. 2020.

Safe Area Marker

A safe area marker included with the CG series designates the area of the screen that will be displayed when the monitor is connected to a particular device. This allows you to check that subtitles and other text will be visible. This color of the marker is changeable to ensure it remains easily visible with any imagery.

A Commitment to Quality and the Environment

5-Year Warranty

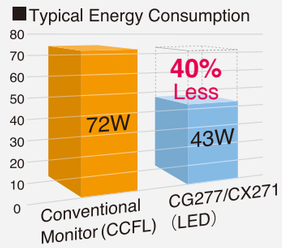
ColorEdge monitors are backed by a manufacturer's 5-year warranty that covers all components including the LCD panel. EIZO can do this because it manufacturers its products at its own factories. This allows EIZO to keep close control over production quality and ensure that its monitors are built to last for 5 years.

Brightness and Color Warranty

The brightness and color of the CG series is warranted for up to 10,000 hours from the date of purchase.
Monitors must be used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 – 6500 K.

Mercury-Free LED Backlight

All models come with an energy-saving LED backlight that contains no mercury for minimal environmental impact when eventually disposed of.



Zero Watts When Turned Off

When a ColorEdge monitor is turned off via the power button on its front bezel it consumes no electricity.

Global Collaborations

EIZO and Magnum Ambassador Program

In 2013, EIZO and Magnum Photos announced a global collaboration with the establishment of an ambassador program. 15 photographers and digital directors at Magnum's offices in the USA and Europe have integrated EIZO's ColorEdge monitors into their color management workflow. These ambassadors are using the monitors for the production of contemporary photos, the restoration of historical Magnum imagery, and to provide objective feedback about their experiences to EIZO.

During the development of the ColorEdge CG277, Magnum photographer Carl De Keyzer tested the monitor and commented, "The calibration system is astonishing – for the first time I can calibrate my screen without professional help. The colors are entirely in line with what comes out of my large printers, so no guessing anymore, just true WYSIWYG."

Carl De Keyzer with the ColorEdge CG277

EIZO and Magnum are also cooperating on creating individual profiles of the ambassadors with insights into their careers, bodies of work, and experiences with EIZO monitors. To see these profiles, please visit: www.eizoglobal.com/magnumphotos/

ICC Contributing Member

EIZO is a contributing member of the International Color Consortium (ICC). The purpose of the ICC is to promote the use and adoption of open, vendor-neutral, cross-platform color management systems.

Specifications

CG318-4K 31.1"

CG248-4K 23.8"

CG277 27"

CG247 24.1"

CX271 27"

CX241 24.1"

		CG318-4K 31.1"	CG248-4K 23.8"	CG277 27"	CG247 24.1"	CX271 27"	CX241 24.1"
Panel	Type	IPS	IPS	IPS	IPS	IPS	IPS
	Size	31.1" / 79 cm (789 diagonal)	23.8" / 60 cm (60.4 cm diagonal)	27" / 68 cm (684 mm diagonal)	24.1" / 61 cm (611 mm diagonal)	27" / 68 cm (684 mm diagonal)	24.1" / 61 cm (611 mm diagonal)
	Native Resolution	4096 x 2160 (1.9:1 aspect ratio)	3840 x 2160 (16:9 aspect ratio)	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)	2560 x 1440 (16:9 aspect ratio)	1920 x 1200 (16:10 aspect ratio)
	Viewable Image Size (H x V)	698 x 368.1 mm	527 x 206.5 mm	596.7 x 335.6 mm	518.4 x 324 mm	596.7 x 335.6 mm	518.4 x 324 mm
	Pixel Pitch	0.1704 x 0.1704 mm	0.1373 x 0.1373 mm	0.2331 x 0.2331 mm	0.270 x 0.270 mm	0.2331 x 0.2331 mm	0.270 x 0.270 mm
	Grayscale Tones	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)	DisplayPort, HDMI: 1024 tones (a palette of 65281 tones)
				DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)	DVI: 256 tones (a palette of 65281 tones)
	Display Colors	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion)	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion
				DVI: 16.77 million from a palette of 278 trillion	DVI: 16.77 million from a palette of 278 trillion	DVI: 16.77 million from a palette of 278 trillion	DVI: 16.77 million from a palette of 278 trillion
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°	178°, 178°	178°, 178°	178°, 178°	178°, 178°
	Brightness (typical)	350 cd/m²	350 cd/m²	300 cd/m²	350 cd/m²	300 cd/m²	350 cd/m²
	Recommended Brightness for Calibration	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less	120 cd/m² or less
	Contrast Ratio (typical)	1500:1	1000:1	1000:1	1000:1	1000:1	1000:1
	Response Time (typical)	9 ms (Gray-to-gray)	14 ms (Gray-to-gray)	6 ms (Gray-to-gray)	7.7 ms (Gray-to-gray)	6 ms (Gray-to-gray)	7.7 ms (Gray-to-gray)
Video Signals	Input Terminals	DisplayPort x 2 (with HDCP Ver.1.x), HDMI x 2 (with HDCP Ver.1.x, Deep Color)	DisplayPort x 2 (with HDCP Ver.1.x), HDMI x 2 (with HDCP Ver.1.x, Deep Color)	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-D 24 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-I 29 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)
	Digital Scanning Frequency (H / V)	DisplayPort: 24.5 - 137.5 kHz / 22.5 - 71.5 Hz	DisplayPort: 24.5 - 137.5 kHz / 22.5 - 71.5 Hz	DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 89 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)
		HDMI: 14.5 - 135.5 kHz / 22.5 - 71.5 Hz	HDMI: 14.5 - 135.5 kHz / 22.5 - 71.5 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz)	HDMI: 15 - 78 kHz, 23.75 - 61 Hz	HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz)
	Analog Scanning Frequency (H / V)	—	—	—	—	—	26 - 78 kHz, 47.5 - 61 Hz
USB	Function	1 port for monitor control	1 port for monitor control	2 ports for monitor control	2 ports for monitor control	2 ports for monitor control	2 ports for monitor control
		3-port USB hub (including 1 USB battery charge port)	3-port USB hub (including 1 USB battery charge port)	2-port USB hub	2-port USB hub	2-port USB hub	2-port USB hub
	Standard	USB 3.0	USB 3.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Power	Power Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz
	Maximum Power Consumption	140 W	136 W	99 W	83 W	99 W	81 W
	Typical Power Consumption	54 W	52 W	43 W	33 W	43 W	32 W
	Power Save Mode	Less than 9 W	Less than 9 W	Less than 0.7 W	Less than 0.7 W	Less than 0.7 W	Less than 0.5 W
	Standby Mode	Less than 9 W	Less than 9 W	Less than 0.5 W	Less than 0.5 W	Less than 0.5 W	Less than 0.5 W
	Power Management	Power Save (DisplayPort Rev. 1.2)	Power Save (DisplayPort Rev. 1.2)	Power Save (DisplayPort: Rev. 1.1a, DVI: DVI DMPM)	Power Save (DisplayPort Version 1.1a, and DVI DMPM)	Power Save (DisplayPort: Rev. 1.1a, DVI: DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1a, and DVI DMPM)
Features & Functions	Preset Modes	Color Mode (Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Rec2020, Calibration)	Color Mode (Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Rec2020, Calibration)	Color Mode (Custom, Adobe RGB, sRGB, Rec709, EBU, SMPTE-C, DCI, Calibration)	Color Mode (Custom, Adobe RGB, sRGB, REC709, EBU, SMPTE-C, DCI, Calibration)	Color Mode (Custom, Paper, Adobe RGB, sRGB, Calibration)	Color Mode (Custom, Paper, Adobe RGB, sRGB, Calibration)
	Auto EcoView	No	No	—	—	Yes (Default: Disabled)	Yes (Default: Disabled)
Physical Specifications	Dimensions (Landscape, W x H x D)	735 x 434 - 583 x 245 mm	553 x 394 - 544 x 245 mm	646 x 425 - 576.5 x 281.5 mm	575 x 417 - 545 x 245.5 mm	646 x 425 - 576.5 x 281.5 mm	575 x 417 - 545 x 245.5 mm
	Dimensions (Portrait, W x H x D)	—	345 x 564 - 642 x 245 mm	402 x 671 - 704 x 281.5 mm	398 x 594.5 - 642.5 x 245.5 mm	402 x 671 - 704 x 281.5 mm	398 x 594.5 - 642.5 x 245.5 mm
	Dimensions (Without Stand, W x H x D)	735 x 423 x 65.5 mm	553 x 345 x 64 mm	646 x 402 x 92 mm	575 x 398 x 75 mm	646 x 402 x 92 mm	575 x 398 x 75 mm
	Dimensions (Landscape with Hood, W x H x D)	754.4 x 443.6 - 592.6 x 361 mm	572.4 x 553 x 340 mm	653 x 432.5 - 584 x 379.5 mm	582.5 x 425 - 553 x 369 mm	—	—
	Dimensions (Portrait with Hood, W x H x D)	—	—	410.5 x 679 - 712 x 379.5 mm	406 x 602.5 - 650.5 x 369 mm	—	—
	Net Weight	11.3 kg	8.5 kg	12.8 kg	9.1 kg	12.8 kg	9.0 kg
	Net Weight (Without Stand)	8.3 kg	5.7 kg	8.8 kg	6.5 kg	8.8 kg	6.4 kg
	Net Weight (With Hood)	12.2 kg	9.2 kg	13.8 kg	9.9 kg	—	—
	Height Adjustment Range	149 mm	150 mm	151.5 mm	128 mm	151.5 mm	128 mm
	Tilt	35° Up, 5° Down	35° Up, 5° Down	25° Up, 0° Down	30° Up, 0° Down	25° Up, 0° Down	30° Up, 0° Down
	Swivel	344°	344°	344°	344°	344°	344°
	Pivot	—	90°	90°	90°	90°	90°
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm	100 x 100 mm
Environmental Requirements	Temperature	Landscape 0 - 35 °C, Portrait 0 - 30 °C	0 - 35 °C	0 - 35 °C	0 - 35 °C	0 - 35 °C	0 - 35 °C
	Humidity (R.H., non condensing)	20 - 80 %	20 - 80 %	20 - 80 %	20 - 80 %	20 - 80 %	20 - 80 %
Certifications & Standards (Please contact the EIZO group company or distributor in your country for the latest information.)		CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003 B, TUV/S, PSE, VCCI-B, CCC, RCM, GOST-R, RoHS, TUV/Ergonomics, RoHS, WEEE	CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003 B, TUV/S, PSE, VCCI-B, CCC, RCM, GOST-R, RoHS, TUV/Ergonomics, RoHS, WEEE	CB, TÜV/GS, CE, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, GOST-R, RoHS, WEEE, CUDO certified mark	CE, TÜV/GS, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, RoHS, WEEE, GOST-R	CB, TÜV/GS, CE, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, GOST-R, RoHS, WEEE, CUDO certified mark	CE, TÜV/GS, cTÜVus, FCC-B, Canadian ICES-003-B, VCCI-B, TÜV/Ergonomics, c-Tick, RoHS, WEEE, GOST-R
Warranty		Five Years [1, 2, 3]	Five Years [1, 2, 3]	Five Years [1, 2, 3]	Five Years [1, 2, 3]	Five Years [1, 3]	Five Years [1, 3]

Predictable Color	P12	**Built-In Calibration Sensor**	Yes	Yes	Yes	Yes	—	—
	P12	**Built-In Correction Sensor**	—	—	—	—	Yes	Yes
	P14	**ColorNavigator 6** Color Management Software	Bundled	Bundled	Bundled	Bundled	Bundled	Bundled
	P16	**ColorNavigator NX** Color Management Software	Supported	Supported	Supported	Supported	Supported	Supported
	P17	**ColorNavigator Network** Network Color Management Solution	Supported	Supported	Supported	Supported	Supported	Supported
	P13	Factory Calibrated	Yes	Yes	Yes	Yes	Yes	Yes
	P13	Wide Color Gamut	Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%	Adobe RGB: 99%
	P13	10-Bit Simultaneous Display	Yes	Yes	Yes	Yes	Yes	Yes
Stable Image Display	P18	Stable Color After Startup	Yes (3 minutes)	Yes (3 minutes)	Yes (7 minutes)	Yes (7 minutes)	Yes (7 minutes)	Yes (7 minutes)
		Brightness and Color Uniformity with DUE	Yes	Yes	Yes	Yes	Yes	Yes
Comfort and Convenience	P19	Stand Adjustment	Height, Tilt, Swivel	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode
		Shading Hood	Bundled	Bundled	Bundled	Bundled	Optional	Optional
Post Production	P20	True Black Display	Yes	Yes	Yes	Yes	Yes	Yes
		Backlit Control Buttons	Yes	Yes	Yes	Yes	—	—
		3D Look-Up Table (LUT)	Yes	Yes	Yes	Yes	—	—
		4K x 2K Resolution	Yes	Yes	Yes (Downscaling)	—	—	—
		Range Extension	Yes	Yes	Yes	Yes	Yes	Yes
Commitment to Quality	P21	12-Month Pixel Failure Warranty [3]	12 months	12 months	12 months	12 months	12 months	12 months
		Brightness and Color Warranty [2]	10,000 hours	10,000 hours	10,000 hours	10,000 hours	—	—

[1] Usage time is limited to 30,000 hours.
[2] Brightness is warranted for up to 10,000 hours if it is used within the recommended brightness of 120 cd/m² or less and the color temperature between 5000 – 6500 K.
[3] The RGB full pixel failure is zero for up to 12 months after date of purchase based on ISO 9241-307 (pixel failure class I).
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

Specifications

CS240 24.1"

CS230 23"

Panel	Type	IPS	IPS
	Size	24.1" / 61 cm (611 mm diagonal)	23" / 58 cm (584 mm diagonal)
	Native Resolution	1920 x 1200 (16:10 aspect ratio)	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	518.4 x 324 mm	509.2 x 286.4 mm
	Pixel Pitch	0.270 x 0.270 mm	0.2652 x 0.2652 mm
	Grayscale Tones	DisplayPort, HDMI: 1024 tones (a palette of 65,281 tones)	DisplayPort: 1024 tones from a palette of 65,281 tones
		DVI: 256 tones (a palette of 65,281 tones)	DVI, HDMI: 256 tones from a palette of 65,281 tones
	Display Colors	DisplayPort, HDMI: 1.07 billion from a palette of 278 trillion	DisplayPort: 1.07 billion from a palette of 278 trillion
		DVI: 16.77 million from a palette of 278 trillion	DVI, HDMI: 16.77 million from a palette of 278 trillion
	Viewing Angles (H / V, typical)	178°, 178°	178°, 178°
	Brightness (typical)	350 cd/m^2	300 cd/m^2
	Recommended Brightness for Calibration	120 cd/m^2 or less	120 cd/m^2 or less
	Contrast Ratio (typical)	1000:1	1000:1
	Response Time (typical)	7.7 ms (Gray-to-gray)	10.5 ms (Gray-to-gray)
Video Signals	Input Terminals	DVI-I 29 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP, Deep Color)	DVI-I 29 pin (with HDCP), DisplayPort (with HDCP), HDMI (with HDCP)
	Digital Scanning Frequency (H / V)	DisplayPort, DVI: 26 - 78 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)	DisplayPort, DVI: 26 - 68 kHz, 23.75 - 63 Hz (VGA Text: 69 - 71 Hz)
		HDMI: 15 - 78 kHz, 23.75 - 61 Hz (VGA Text: 69 - 71 Hz)	HDMI: 15 - 68 kHz, 23.75 - 61 Hz
	Analog Scanning Frequency (H / V)	26 - 78 kHz, 47.5 - 61 Hz	26 - 68 kHz, 47.5 - 61 Hz
USB	Function	2 ports for monitor control	2 ports for monitor control
		2-port USB hub	2 port of USB hubs
	Standard	USB 2.0	USB 2.0
Power	Power Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 120 V / 200 - 240 V, 50 / 60 Hz
	Maximum Power Consumption	68 W	54 W
	Typical Power Consumption	27 W	21 W
	Power Save Mode	Less than 0.5 W	Less than 0.5 W
	Standby Mode	Less than 0.5 W	Less than 0.5 W
	Power Management	Power Save (VESA DPM, DisplayPort Version 1.1a, and DVI DMPM)	Power Save (VESA DPM, DisplayPort Version 1.1a, and DVI DMPM)
Features & Functions	Preset Modes	Color Mode (Custom, Paper, Adobe RGB, sRGB, Calibration)	Color Mode (User1, User2, User3, Paper, sRGB, Calibration)
	Auto EcoView		Yes
Physical Specifications	Dimensions (Landscape, W x H x D)	575 x 423 - 553 x 245 mm	544 x 372.5 - 526.5 x 245.5 mm
	Dimensions (Portrait, W x H x D)	398 x 586 - 651 x 245 mm	353 x 563.5 - 627 x 245.5 mm
	Dimensions (Without Stand, W x H x D)	575 x 398 x 71 mm	544 x 353 x 75 mm
	Dimensions (Landscape with Hood, W x H x D)	—	—
	Dimensions (Portrait with Hood, W x H x D)	—	—
	Net Weight	8.7 kg	7.5 kg
	Net Weight (Without Stand)	6 kg	4.8 kg
	Net Weight (With Hood)	—	—
	Height Adjustment Range	130 mm	154 mm
	Tilt	35° Up, 5° Down	30° Up, 0° Down
	Swivel	344°	344°
	Pivot	90°	90°
	Hole Spacing (VESA Standard)	100 x 100 mm	100 x 100 mm
Environmental Requirements	Temperature	0 - 35 °C	0 - 35 °C
	Humidity (R.H., non condensing)	20 - 80 %	20 - 80 %
Certifications & Standards (Please contact the EIZO group company or distributor in your country for the latest information.)		CB, CE, TUV/GS, cTUVus, FCC-B, Canadian ICES-003-B, VCCI-B, TUV/Ergonomics, RCM, RoHS, WEEE, GOST-R	CUDO certified mark, TCO Displays 5.2, TÜV/S, TUV/Ergonomics, TÜV/GS, cTÜVus, CE, c-Tick, CB, VCCI-B, FCC-B, Canadian ICES-003-B, RoHS, WEEE
Warranty		Five Years [1]	Five Years [1,3]

Predictable Color	P12	**Built-In Calibration Sensor**	—	—
	P12	**Built-In Correction Sensor**	—	Yes
	P14	**ColorNavigator 6** Color Management Software	Bundled	Bundled
	P16	**ColorNavigator NX** Color Management Software	—	—
	P17	**ColorNavigator Network** Network Color Management Solution	—	—
	P13	Factory Calibrated	Yes	Yes
	P13	Wide Color Gamut	Adobe RGB: 99%	—
	P13	10-Bit Simultaneous Display	Yes	Yes
Stable Image Display	P18	Stable Color After Startup	Yes (30 minutes)	Yes (30 minutes)
		Brightness and Color Uniformity with DUE	Yes	Yes
Comfort and Convenience	P19	Stand Adjustment	Height, Tilt, Swivel, Portrait Mode	Height, Tilt, Swivel, Portrait Mode
		Shading Hood	Optional	Optional
Post Production	P20	True Black Display	—	—
		Backlit Control Buttons	—	—
		3D Look-Up Table (LUT)	—	—
		4K x 2K Resolution	—	—
		Range Extension	Yes	Yes
Commitment to Quality	P21	12-Month Pixel Failure Warranty [3]	12 months	12 months
		Brightness and Color Warranty [2]	—	—

[1] Usage time is limited to 30,000 hours.
[2] Brightness is warranted for up to 10,000 hours if it is used within the recommended brightness of 120 cd/m^2 or less and the color temperature between 5000 – 6500 K.
[3] The RGB full pixel failure is zero for up to 12 months after date of purchase based on ISO 9241-307 (pixel failure class I).
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

Accessories

Shading Hoods

CH7
Supported Models: CG247, CX241, CS240
CH7 is bundled with the CG247.

CH6
Supported Model: CS230

CH5
Supported Models: CG277, CX271
CH5 is bundled with the CG277.

Calibration Device

EX2

Adjust CX and CS series monitors to your ideal settings with this external calibration device.

Monitor Cleaning Kit

ScreenCleaner™

Wipe away dust and fingerprints with this screen cleaner kit. Includes pump spray and cloth. Bundled with the CG series.

Quality Control Software

ColorNavigator™ Network

Contact the EIZO group company or sales distributor in your country for information about availability of ColorNavigator Network.

ColorNavigator 6 System Requirements (as of March 2015)
See www.eizoglobal.com for latest information.

Compatible OS	Macintosh	Windows
	OS X Mavericks (10.9) / Mountain Lion (10.8) Mac OS X 10.7.5, Yosemite 10.10	Windows 8.1 (32-bit, 64-bit) / 8 (32-bit, 64-bit) / 7 (32-bit, 64-bit)
Additional Requirements	Apple Macintosh that fulfills the OS system requirements	PC that fulfills the OS system requirements
	• Two or more available USB ports • Minimum 16.7 million display colors • Recommended minimum resolution of 1024 x 768	

Color Navigator 6 Compatible Measurement Devices

Manufacturers	Supported Sensors	Notes
X-Rite	i1 Monitor, i1 Pro, i1 Pro2, i1 Display, i1 Display 2, i1 Display 3, i1 Display Pro	Ambient light adjustment is not available with the i1 Monitor and i1 Display.
	ColorMunki PHOTO, ColorMunki DESIGN	ColorMunki Display and ColorMunki Smile are not supported.
DataColor	Spyder 3, Spyder 4	Ambient light adjustment and gray balance prioritizing function are not available.
EIZO	EX1, EX2	
	Built-in calibration sensor	Ambient light adjustment and paper white measurement are not available and therefore calibration using such measured values is not available.
basICColor	DISCUS	
Klein	K-10	• Ambient light adjustment and paper white measurement are not available.
Konica Minolta	CA-210, CA-310, CS-1000, CS-1000A, CS-2000, CS-2000A, CS-200	• Not compatible with Mac OS X • Ambient light adjustment and paper white measurement are not available. • Driver not included with ColorNavigator 6.
Photo Research	PR-655, PR-680	• Ambient light adjustment and paper white measurement are not available.

ColorNavigator NX (as of March 2015)
See www.eizoglobal.com for latest information.

Compatible OS	Macintosh	Windows	Linux
	OS X Mavericks (10.9) / Mountain Lion (10.8) Mac OS X 10.7.5	Windows 8.1 (32-bit, 64-bit) / 8 (32-bit, 64-bit) / 7 (32-bit, 64-bit)	Red Hat Enterprise Linux Workstation 6
Supported Monitors	• ColorEdge CG Series with built-in calibration sensor • ColorEdge CX Series		

ColorNavigator NX Compatible Measurement Devices

Manufacturers	Supported Sensors	Notes
X-Rite	i1 Monitor, i1 Pro, i1 Pro 2	
	i1 Display 3, i1 Display Pro	
	ColorMunki PHOTO, ColorMunki DESIGN	• ColorMunki Display and ColorMunki Smile are not supported. • Not compatible with Linux*
DataColor	Spyder3, Spyder4	Not compatible with Linux
EIZO	EX1, EX2	
	Built-in calibration sensor	
basICColor	DISCUS	Not compatible with Linux
Klein	K-10	
Konica Minolta	CA-210, CA-310, CS-1000, CS-1000A, CS-2000, CS-2000A, CS-200	• Not compatible with Mac OS X or Linux • Driver not included with ColorNavigator NX
Photo Research	PR-655, PR-680	• Not compatible with Mac OS X or Linux • Driver not included with ColorNavigator NX

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